



CDF Operations Report

Sung-Won Lee
Texas A&M University

All Experiments' Meeting
June 13, 2005

Store Summary

Store	Start Date	Time [hrs]	Uptime [hrs]	Initial Lumi	Delivered Lumi	Live Lumi	Eff.	Comments
4194	6/6	23.7	22.0 [93%]	92.0	3.33	2.89	87%	slow startup with COT TDC problem, Si calib.
4195	6/7	25.5	22.3 [88%]	54.1	2.26	1.295	86%	halted run due to booster power problem
4198	6/8	28.8	26.7 [94%]	91.6	3.53	3.31	89%	plug calo. HV trips, L2 track trigger test
4201	6/10	24.8	23.3 [94%]	91.1	3.15	2.82	90%	a couple of Silicon HV trips
4202	6/11	21.9	20.1 [93%]	107.3	3.12	2.77	89%	TeV losses went up, silicon standby
Total	6/6~13	124.7	114.4 [92%]	87.2	15.4 pb ⁻¹	13.7 pb ⁻¹	89%	Nice Week

CDF took data with ~90% efficiency last week,
records 13.7 pb⁻¹ of data

CDF Operations

- DAQ and Trigger

- DAQ has been operating very well
- Diagnostic Real-Time server test
- L1: readout test for upgrade of L1 track trigger TDC card
- L2: Silicon Vertex Tracker beam width fitter code tests
- Luminosity counter hit multiplicity trigger test
- SVT upgrade and Hardware event builder upgrade works

- Calorimeter/Muon/Silicon

- Some downtime due to a couple of HV trips: these recovered quickly

- Numerous accelerator events forced us to standby

- RF fluctuations, booster power outage and air compressor trips
- High beam losses due to TeV vacuum problem

Access Work

- Wednesday - June 8 [2.5 hrs controlled access]:
 - Repair HV for CMX north west wedge 20
- Monday - June 13 [supervised access]:
 - Cal: repair plug calorimeter readout board
replace two plug HV CAEN mainframe crates
- we'll need June 14th to finish...
 - Muon: replace signal cable on Muon Scintillation system
 - Silicon: work on Silicon maintenance job
 - TDC: swap in more upgrade TDCs for Central Outer Tracker
 - Trigger: install fibers for L1 track trigger upgrade project